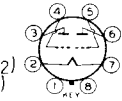
IG6-GT/G

CLASS B TWIN AMPLIFIER

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.1	amp.
Maximum Overall Length		3-5/16" ←
Maximum Seated Height		2-3/4" ←
Maximum Diameter		1-5/16" ←
Bulb		T-9
Base		Intermed.Sh.Octal 8-Pin
Pin 1 - No Connection		Pin 5 - Grid (Triode T_1)
Pin 2 - Filament +		Pin 6 - Plate (Triode T_1)
Pin 3 - Plate (Triode T_2)		Pin 7 - Filament -
Pin 4 - Grid (Triode T_2)		Pin 8 - No Connection
Mounting Position		Any



BOTTOM VIEW (G-7AB)

For convenience, one triode unit is identified as T_1; the other, T_2.

Maximum Ratings Are Design-Center Values

CLASS B POWER AMPLIFIER

Plate Voltage		110 max.	volts
Peak Plate Current (per plate)		20 max.	ma.
Typical Operation:			
Unless otherwise specified, values are for the two units			
Plate-Supply Impedance	0	0*	ohms
Effective Grid-Circuit Impedance (per unit)	0	2530**	ohms
Plate Voltage	90	90	volts
D-C Grid Voltage	0	0	volts
Peak A-F Grid-to-Grid Voltage	42	48#	volts
Zero-Sig. D-C Plate Cur.	2	2	ma.
Max.-Sig. D-C Plate Cur.	14	11	ma.
Peak Grid Cur. (per unit)	5	6	ma.
Effective Load Res. (plate to plate)	12000	12000	ohms
Total Distortion	3	4	%
Power Output	675	350 approx.	mw

AMPLIFIER

Each Triode Unit

Characteristics-Class A_1 Amplifier:		
Plate	90	volts
Grid	0	volts
Amp. Fact.	30	
Plate Res.	45000 approx.	ohms
Transcond.	675	μmhos
Plate Cur.	1	ma.

* Battery supply.

** At 400 cycles for class B stage in which the effective resistance per grid circuit is 2500 ohms, and the leakage reactance of the coupling transformer is 155 millihenrys. The driver stage should be capable of supplying the grids of the class B stage with the specified values at low distortion.

\# Includes peak voltage drop through the grid circuit impedance.

← Indicates a change.

RCA RADIOTRON DIVISION
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